

# NASA Center progresses

## Local NASA operations move to Tech Square Kendall Square conflict continues

The National Aeronautics and Space Administration is in the process of moving its northeast headquarters to 575 Technology Square.

NASA, previously located at 30 Memorial Drive, will occupy five floors in the new Tech Square structure. Additional space for laboratories has also been rented in the basements of both Tech Square buildings.

Tech Square will serve as NASA headquarters until the proposed Electronics Center is completed. Franklin Phillips '41, assistant director of administrative affairs for the local NASA group, stated that "as far as we're concerned the plans are to break ground for the new center in Kendall Square about the middle of next year."

Approximately 100 NASA employees are involved in the move to Tech Square. The entire move is expected to be completed some time in December.

Besides serving as a staging area for the construction of the Electronics Center, the Tech Square facilities will also carry out research and development work for area industries engaged in defense and space projects.

The Technology Square buildings are jointly owned and operated by MIT and occupied largely by scientific research industries.

"There's some kind of deal between NASA, MIT, and the urban-renewal people. The natives of Cambridge suspect collusion and conspiracy, and maybe even some empire-building."

So contends Alfred Vellucci, Vice-Mayor of Cambridge, in a copyrighted article in yesterday's U.S. News and World Report which treats the proposed location of the NASA Electronics Research Center in the Kendall Square area.

The article, 'Why Boston is Puzzled by a Federal Economy Move', advocates location of the Center in the Watertown Arsenal, three miles west of MIT, which is soon to close down operations as a Pentagon economy move.

### Killian replies

Dr. James R. Killian, Chairman of the MIT Corporation, replied in the article that any talk of a conspiracy between the Institute and NASA was "a ridiculous and irresponsible statement."

"The principal interest MIT has in this case," said Dr. Killian, "is in being able to help in improving the economic climate of Cambridge and in upgrading the area. NASA would attract new taxpaying enterprises."

NASA officials emphasized the advantage of having the Center within walking distance of MIT. "When you consider all the money involved in the total space program and the convenience of being able to walk between these areas, you begin to see it is worth it," said Franklin Phillips '41, assistant director of administrative operations for the Center.

### Area is "third-rate"

Cambridge Mayor Edward Crane, in favor of the Kendall

Square site, says that currently the land is in a "rundown, seedy, third-rate industrial area."

In contrast, representatives of the approximately 90 business firms now located in the 42-acre site, have organized as the Committee for the Preservation of Cambridge Industry.

This group contends that "the irresponsible expenditure of public funds, first to purchase, and then to bulldoze out of existence the heart of Cambridge's industrial area, cannot be defended."

According to the "Report", industries now located on the Kendall Square site have a yearly payroll of \$18 million. They employ about 4000 laborers; total business is about \$75 million annually.

### Budget and taxes

Mayor Crane has stated that the (Please turn to page 6)

## LSC revises schedule

## Ad halts old series

Recent events have forced the Lecture Series Committee to announce a revised film schedule for the fall term Entertainment and Contemporary Film Series.

'Boston' magazine, a monthly publication of the Boston Chamber of Commerce, recently published as a service the LSC schedule. This unwittingly violated an agreement made between LSC and its film distributor.

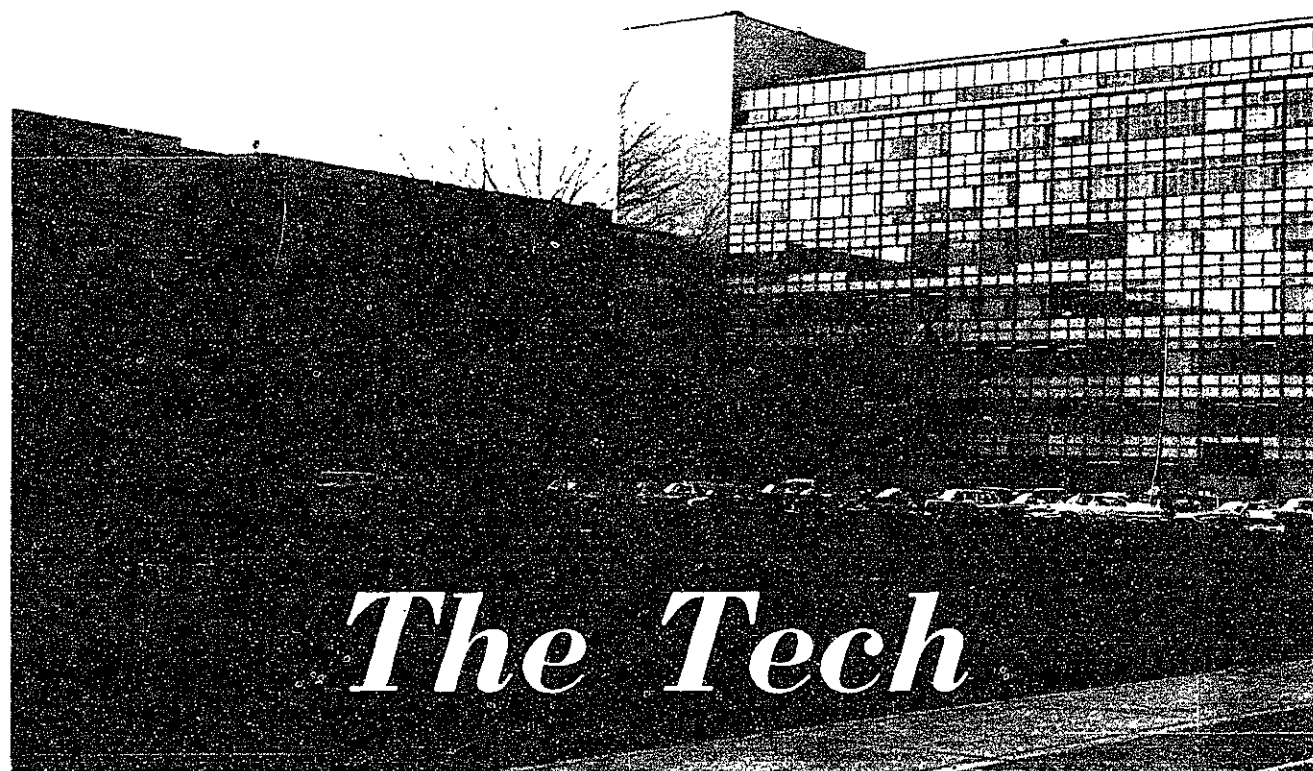
All films in the revised schedule, as announced, are for 16 millimeter projection equipment. Room 26-100 presently is equipt with only one 16 mm projector.

Craig Schiele '65, head of LSC, told The Tech that no plans had been made to sell the group's recently purchased 35-mm projectors. He said the group was "hopeful" of acquiring exhibition rights for 35 mm films for the spring term.

A presentation of 'The Wrong Arm of the Law' was discontinued after one showing November 14, following a phone call from the distributor and a decision of the LSC Executive Committee.

Last Saturday night 'To Hell and Back' was presented without admission charges.

An MIT employee who had acted in recent years as liaison between all MIT groups seeking films and distributors suffered a severe heart attack in early November. This fact, coupled with the unsolicited 'advertisement' in 'Boston,' hampered communications and negotiations of LSC with the film distributor.



The Tech

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Cambridge, Massachusetts, Tuesday, November 24, 1964

Five Cents

## Moving underway

## Daggett Building to be occupied soon

The Daggett Building, a former candy warehouse at the corner of Ames and Main Street in Cambridge, is being occupied by various administrative and service departments of MIT. The decision to centralize departments such as accounting, the MIT Press, paymaster, Physical Plant, etc., was made to help these organizations in their countless dealings with each other and the rest of campus, according to a representative of Physical Plant.

There will be no official opening date, nor can a date of full occupancy be forecasted, as moving is spread over many weeks, and is indefinite in some cases. The MIT Press occupied rooms last week and the Credit Union moved weeks ago, whereas the Department of Physical Plant does not expect the move until December 28.

The move to the Daggett Building was three years in planning; several other locations were considered. The need for the shift is illustrated by the case of the De-

partment of Physical Plant. Its various shops are presently scattered about the campus where-ever room for them can be found; foremen are in buildings separate from those their departments occupy. Such inefficiencies will be removed in the Daggett Building. Also the present existence of service areas in the middle of campus conflicts with the need for space for academic and research purposes.

The Daggett Building is approx-

imately fifty years old and was a glass block originally, but it has been modified extensively. The shops of the Department of Physical Plant will be located on the first floor, to facilitate the easy flow of materials to and from this area.

Administrative offices will be found on other floors save some rooms which are leased now to business firms but which can be used in future to accommodate any necessary expansion.

## Chosen for STC

## Hulsizer succeeds Zacharias

Dr. Robert I. Hulsizer, currently teaching physics at the University of Illinois, was appointed last week to succeed Professor Jerrold Zacharias as head of the Science Teaching Center by Jerome Wiesner, Dean of the School of Science.

Hulsizer, who was simultaneously appointed as a professor of physics, has been active for the last 6 years in the development of the Physical Science Study Committee high school program. After work in the Radiation Lab, he received a physics doctorate from MIT in 1948. His recent work at Illinois involved modeling air defense systems with computers.

Dean Wiesner made at the same time some comments on the four-term new physics sequence which begins with 8.01T. The sequence, he said, is designed to continue the presentation of the views of nature found in PSSC physics, which was developed by the STC beginning in 1960. About one-half of US high schools now teach PSSC physics; thirty-six percent of the Class of '68 took the course.

Dr. Hulsizer is vice-chairman of the Commission on College Physics and chairman of the Selection Panel for the National Science Foundation.

## Sophomore leaps to death

At about 5:20 pm last Thursday evening Kenneth A. Perlstein '67 jumped to his death from the seventeenth floor of the Boston University Law-Education building at 765 Commonwealth Ave.

Perlstein, a Course VIII student, lived in a single room in Senior House. He was 18.

A Boston University Evening Division student, William Kensey, witnessed the fall. Boston Police and BU campus police could not determine why Perlstein was in the building. His coat and identification were found on a balcony of the 17th floor of the building.

Frederick G. Fassett, Dean of Residence, identified the body. Perlstein was pronounced dead by Suffolk County Medical Examiner Dr. Michael Luongo, at about 8:30 pm after the body had lain in the rain for more than three hours.

An 8.03S student, Perlstein was on the Dean's List last term. Although a note was found in his room, according to K. R. Wadleigh, Dean of Student Affairs, the deans and Institute psychiatrists remain puzzled as to the cause of the suicide.

He was the son of Mr. and Mrs. Albert S. Perlstein of Haver-town, Pa.

## Hermann building on schedule for fall 1965 completion date

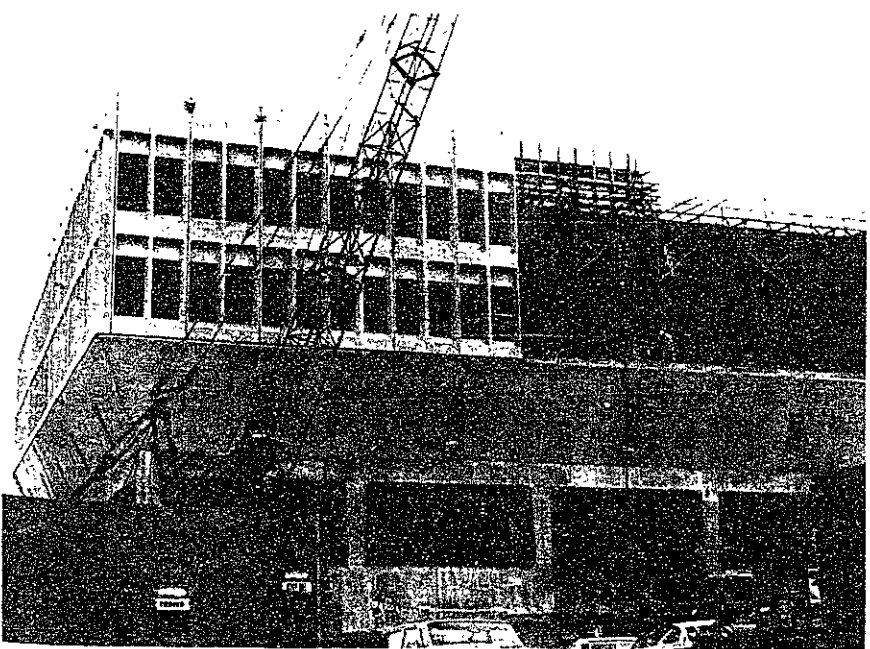


Photo by George Jelatis

The Grover M. Hermann building approaches completion near the Sloan building on Wadsworth Street. The building's 90,000 square feet of floor space will be used for research and will provide new facilities for the Dewey Library.

Grover M. Hermann, Chairman of the Board of Martin Marietta Corporation, donated \$1.5 million toward the construction of the new structure.

Professor Eduard Catalano is chief architect for the building. Completion of the structure is scheduled for the fall of 1965.

## Freshman midterm grades ready; 13% core course grades are A's

Approximately thirteen percent of all intermediate grades given out in the core courses of 8.01T, 18.01, 5.01 and 21.01 were A's.

About 30 percent of the grades awarded were B's and approximately 34% were C grades.

Freshman Intermediate grades became available from freshman advisors yesterday at one pm.

Prof. Paul S. Gray of Course VI, chairman of the faculty Freshman Advisory Committee, commented when releasing these figures that the distribution of grades was "normal" and "very few of the freshmen appear to be in trouble." He said that he expected to see a similar situation at the end of the term.

Grade distributions in each of the four subjects were approximately equal.

Currently almost all freshmen are taking 21.01 and 8.01T. About 700 students are taking 5.01, or 5.01N; 650 are taking 18.01.

# Mid-term grades: time for appraisal

Mid-term grades for freshmen are now available at the faculty advisors' offices. These have a definite value as the first overall indication of a student's

standing at the Institute; but a thoughtful student will recognize the limits to their meaning.

Mid-term grades give a good hint at weak points in certain courses; they also point out general trends in ability and interest, towards physics, chemistry, and so forth. But they are not infallible and absolute. A person need not despair—nor should he rest on his laurels—purely on the implications of a mid-term grade.

There is not a necessary correlation between final grades (which are on a student's record) and mid-terms (which are not). There is no need to abandon a planned major—say, physics—because of a low mid-term in that subject. Most important, there is no need to lose interest in classes, or simply to give up, because of a poor mid-term report.

During the first year at MIT, the differences in background of the students are most apparent. Some freshmen find the work more unfamiliar than others do. This shows up in the mid-term reports. But the Institute administration is very keenly aware of this. There is no flunk-out program at MIT; every freshman admitted has the potential to make it, regardless of background.

This year the freshman advisory program is even more carefully organized than before to help students with problems of adjustment. The faculty is doing all it can; it remains to the student to confer with his advisor and his teachers, to analyze his problem, and to get down to work. The impersonal Institute is a myth; now is the time for students to disprove the myth and use the advisory facilities available at MIT.

cational experience for the foreign student as it could be.

Why will an International House improve the situation? I claim that increased segregation will result in increased integration with the MIT community. Foreign students would be living with many people who were having similar problems. The house as a unit would serve as a natural activities base which the foreign students do not have presently. The house could sponsor social events regularly that appealed to the foreign student. There would automatically be house student government and a chance for many foreign students to get involved. The International House's president would sit on Incomm and I believe that generally the house unit would encourage and channel more people into activities. They could have intermural teams also.

Most of all, the house would contain 30% American students who really want to learn about foreign countries and are willing to participate actively in the house. The atmosphere could turn out to be a very dynamic one, with much social intercourse. I for one would not miss the educational opportunity to live in such an atmosphere. Is it an idea worth pursuing?

the fall of \$200 annually; Wheaton announced that its comprehensive fee will rise \$300 to \$3100 next fall, and Columbia undergraduates learned of a tuition rise from \$1700 to \$1900. President Harold Case of BU said other local institutions were "waiting to see" what BU did with tuition before considering changes of their own.

4. Currently plans of Walker staff do NOT include an Assemblies Ball next spring. The staff is still short approximately 15 workers—recruiting has been difficult. A major factor is the new, easily available NDEA student loans.

5. JP elections for the Class of '67, which would ordinarily be held this season, have been delayed indefinitely by the proposed re-organization of class governments—all a part of the Incomm reorganization plans, which have been under study since August.

# Letters to The Tech

## TCA acknowledges aid

To the Editor:

The Executive Committee and members of the Technology Community Association would like to take this opportunity to apologize to Alpha Phi Omega for two recent editorial errors and to recognize the enormous amount of credit that is due that organization.

In last week's issue of The Tech and in the introduction to this year's Social Beaver, references were made to the work done by TCA in the Undergraduate Charities Drive and the Red Cross Blood Drive in which the part played by APO was not mentioned. These oversights did not result from our lack of appreciation of the work done by APO,

but only from our enthusiasm for our own organization.

The extraordinary success of the Blood Drive last spring and the Charities Drive this fall could not have been realized without the tremendous contributions made by APO to both of these drives. It is only through the joint action of our two organizations that attainment of future goals in such drives is possible and with this in mind, we of TCA look forward to continued cooperation with the members of APO in these drives.

Paul C. Lindsey  
Secretary of TCA

## Gilbert and Sullivan praised

To the Editor:

Let's hear it for the Gilbert and Sullivan Society. They were great!

Joseph Becker '66



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## Inside Incomm

### International Student housing separate in Senior House?

By Bill Samuels, UAP

I spent Saturday afternoon at a foreign students seminar run by Incomm's International Students Council out at Endicott House. Some of the problems and the ideas discussed by the foreign students at this organized and well-run seminar were very enlightening. One idea, a living group mainly for foreign students, I found very interesting.

Suppose Senior House became an International Students House next year. I propose this for discussion's sake only—Senior House need not rise up in arms! Foreign students who so desire could live in this new center. Thirty per cent of the residents would be Americans who are particularly interested in living in an international environment.

There are several reasons for this approach. It takes most foreign students longer to orient themselves to MIT life. American customs, language, and general approach to life all have to be

absorbed. The foreign students usually move very cautiously at first.

Most American students are used to participating in student government and in activities before they come to MIT. This is not always true with foreign students. They receive very little orientation to activities when they arrive here and many tend to be very skeptical of getting involved. The result is that few foreign students are active in student activities. Most gravitate toward their own nationality group in the Boston area.

Generally, though the foreign students are mixed in the living groups, they are not really integrated. Many live in single rooms or have moved out to apartments. As a result, contact between foreign students and Americans is not nearly maximized, which is to the detriment of both communities. I do not believe that MIT is as broad and enjoyable an edu-

## Footnotes

By Bill Byrn

This column will henceforth be devoted to the noteworthy and newsworthy—little items which may be important but do not currently merit a full news story. Responsibility for what appears will be the writer's; sources will be protected by anonymity where deemed prudent.

Credo: small events may affect our environment and education. Thus:

1. MIT Campus Patrol has received special police powers in Boston. Specifically, patrolmen will have powers to make arrests and to maintain order within and on the grounds of

all MIT living groups on the Boston side. Considering the Patrol's understanding of the temperament and proclivities of the MIT undergraduate, these new powers should prove to be a boon to the living groups.

2. A Communist youth group has sent brochures to most Activities Council members—not addressed to 'President, Club, MIT,' but to the names, nicknames and local addresses as recorded in Litchfield Lounge.

3. It's that season. In the last three weeks, Boston College and Boston University have announced tuition increases for

## NORTH

♠ A K J  
♥ K x  
♦ J x x x  
♣ A x x x

WEST  
not shown

EAST  
not shown

## SOUTH

♠ void  
♥ A x x x x x  
♦ A K Q x  
♣ K Q J

South dealer, neither vulnerable

North	East	South	West
3 ♣	Pass	2 ♥	Pass
4 ♦	Pass	3 ♦	Pass
5 ♥	Pass	4 NT	Pass
6 ♥	Pass	5 NT	Pass
7 NT	Pass	7 ♣	Pass
		Pass	Pass

Following a bidding sequence which is open to much criticism, South found that no matter how he counted the winning tricks, there were only 12. However, he could see three very remote possibilities for making the contract—a doubleton Queen of spades; a mistake by the opponents; namely that someone discards a heart from a three-card suit; and a squeeze.

South won the opening diamond lead in his hand, then cashed his clubs and diamonds. The discards included two hearts by West and some low spades by East, so that declarer figured West for long spades and East for three hearts. At this point, South's only hopes were that West had discarded hearts from a three or four card suit for some obscure reason, or that East had the spade Queen with his hearts and was, therefore, squeezed.

The heart King was cashed, and West showed out. When the Queen of spades failed to drop on the Ace-King, South could only take his Ace of hearts and con-

cede the last heart to East.

It would now be profitable to analyze the bidding of this hand. There are three bids which are particularly questionable. South's three club bid is very poor. His suit should be at least five to the Queen-Jack for a suit response to a two-bid. Since partner's opening two-bid should be based on a good suit, he might raise hearts with plans of going on to a grand slam in hearts or no-trump. A better bid might be 7 no-trump. It would be nearly impossible for South not have the missing aces, and North does have the heart support which should be enough to set up the suit.

North's use of Blackwood is an error which is far too common. He does not want to know how many Aces and Kings his partner has, but whether he has the club Ace, the heart King, or both (also the spade Ace, if he is interested in the no-trump slam). A bid much better than four no-trump would be the cue bid of four spades. North would reply five clubs to show the Ace; South bids five hearts to indicate his Ace. North should realize that his partner could only be trying to find out about the King of hearts, so he should bid six hearts to show it. North bids seven diamonds which is easily made against anything but the worst distributions.

North's bid of seven no-trump, while sound in high-card points, disregards South's warning that he is short in spades. By bidding three suits and jumping, South promises no more than a singleton in the fourth suit; but, in North's behalf, he might be very well afraid of both minors, because South held off his support of clubs so long and because his diamond suit is poor support for a slam. North's bid might be excused, because he would expect South to have a singleton spade instead of a void; otherwise, Blackwood would not have been a proper bid.



PEANUTS appears daily and Sunday in the Boston Herald.



## White, Taylor, Hirschfeld, Roesset, Pahl given faculty appointments

Five faculty appointments were announced by the Institute last week. Two of the new professors will work in the Sloan School of Management; three will join the Department of Civil Engineering. An operations research specialist, Dr. Leon White, will become

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## New tabloid -- '128 World' covers industrial activities of firms on Route 128

'128 World,' a new tabloid newspaper venture, was launched last month by 128 Publishing Company, Inc. of Norwood.

Billed as "news of the world we work in," the weekly will attempt to cover and comment upon the multifarious activities and enterprises of the research and industrial firms located along Route 128.

Andrew M. Monahan, publisher, seeks to establish a regular medium for intercommunication of advertisers and workers in the firms along the Route, according to comments in Volume 1, No. 3, which was distributed throughout the Institute free of charge.

Stock market reports, new developments, and even bowling scores are regularly reported. Subscriptions will be \$3.00.

## Author Untermeyer to speak on poetry

"How to Hate Poetry in One Easy Lesson" will be explained next Wednesday in 26-100 as the Lecture Series Committee presents poet and anthologist Louis Untermeyer.

Untermeyer, author and editor of over 50 works, will speak at 8 pm as the first fall lecturer in the LSC schedule. There is no admission charge.

Untermeyer is best known for his anthologies, many of which are standard college texts. He has acted as Consultant in Poetry for the Library of Congress, and was once associated with the Office of War Information during World War II. He lives in Newton, Connecticut.

## IFC Blood Drive nets 229 pints

The second annual Interfraternity Conference Blood Drive finished Thursday with 229 pints of blood for the New England Hemophilia Association.

Jim Sweeney '66, chairman of this year's Blood Drive, noted that this was the second successful drive and predicted that the IFC

would adopt the effort as an annual project. Last year's drive netted 211 pints.

The actual collection of blood was done by the Red Cross in Kresge Auditorium. The Red Cross will process the donated blood and then store it for distribution to hospitals at the request of the New England Hemophilia Association.

Dean Frederick Fassett called the IFC Blood Drive "the biggest service project ever undertaken by the MIT Interfraternity Conference."

## Two students given awards by ASTM

Mrs. Barbara Paltiel '65, a Course X student, and Donald Smith, a Course VIII graduate student, received Student Membership Awards from the American Society for Testing and Materials recently. The awards were presented at the ASTM New England District meeting, held November 5 at the Arthur D. Little Center in Acorn Park, Cambridge.

The awards are designed by the Society to recognize "achievement of students in engineering or science who have superior scholastic ability" with interest in engineering materials and their evaluation. There are approximately 12,500 regular members and 2000 student members of ASTM.

## Thanksgiving library schedule announced

All MIT library facilities will be closed Thanksgiving day. The announced schedule for the remainder of the vacation is: Wednesday, Humanities and Science on regular schedule, all others 9 am-5 pm.

Friday: Humanities, Science, and Music on regular schedule, Reserve Book Room 9 am-10:45 pm, others 9 am-5 pm.

Saturday and Sunday: normal schedule.

## Fano directs review

### Project MAC to change

By John Blankinship  
Project MAC, short for Machine Aided Cognition and Multiple Access Computer, is scheduled to undergo several revisions and improvements in the next few years. In a recent interview with Prof. Robert Fano, Director of MAC, these anticipated changes were discussed with respect to the background and present operation of MAC.

Project MAC has for almost exactly a year now been directly associated with the ideas of Machine Aided Cognition and Multiple Access Computer. As explained by

Prof. Fano, the extensive gap left between these two fields has been the testing ground for the research of the past and will be the cradle for the improvements of the future.

The history of Project MAC dates back to November of 1963 when the program was first in an operational capacity at Technology Square. Today, with the exception of minor modifications in equipment and systems, the project is much the same with present headquarters at 801 Technology Square. It began and has at all times been a tool for work and an object for curiosity. With the arrival last fall of a new model teletype which can dial into computer circuits, more useful and improved systems were immediately made possible. Ever since then, the IBM 7094 and its peripheral systems have carried the bulk of the work load. The system can presently handle as many as thirty teletype circuits simultaneously. This, as Prof. Fano pointed out, is a happy medium between an unlimited number of teletypes and good service guaranteed to each.

Prof. Fano spoke of a saturation ceiling to be reached sometime in 1965. At this point improvements will not justify the effort needed to effect them and a change of equipment will be necessary to raise the ceiling. This, in fact, will be done with prime attention on the replacement of the IBM 7094 by the General Elec-

(Please turn to page 6)

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## Movie Schedule

**ASTOR** — 'Youngblood Hawke,' 1:00, 4:00, 6:30.  
**BEACON HILL** — 'Topkapi,' 1:15, 3:30, 5:25, 7:30, 9:30.  
**BOSTON CINERAMA** — 'Mediterranean Holidays,' evenings 8:00, matinees Wed., 2:00 Sat. and Sun. 2:00 and 5:00.  
**CAPRI** — 'Party Girl,' and 'The Candidate,' 2:00, 3:50, 5:45, 7:40, 9:35.  
**COOLIDGE CORNER** — 'Of Human Bondage,' 3:15, 9:45, Sat. 5:40, 9:00, Sun., 5:50, 9:45; 'The Prize,' 1:00, 7:30, Sat., 3:15, 7:30, Sun., 3:30, 7:25.  
**EXETER** — 'The Finest Hours' 2:00, 3:50, 5:45, 7:35, 9:30.  
**GARY** — 'Mary Poppins,' 9:00, 11:30, 2:00, 4:30, 7:30.  
**KEITH MEMORIAL** — 'Kitten With a Whip,' no times available.  
**LOEW'S ORPHEUM** — 'Goodbye Charlie,' 4:54, 7:16, 9:38.

**LOEW'S ORPHEUM** — 'Goodbye Charlie,' 9:50, 12:15, 2:35, 4:55, 7:16, 9:30, Sun., 1:00, 3:06, 5:20, 7:30, 9:45.  
**MUSIC HALL** — through Nov. 27, 'Where Love Has Gone,' no times available.  
**PARAMOUNT** — 'The Outrage' no times available.  
**PARIS CINEMA** — 'Lili,' 2:00, 4:00, 6:00, 8:00, 10:00.  
**SAXON** — 'My Fair Lady,' evenings 8:30, matinees Wed., Sat., and Sun., 2:00.  
**UPTOWN** — 'Fail Safe,' 10:45, 2:25, 6:05, 9:50, Sun., 2:45, 6:20, 10:00; 'The Visit,' 12:30, 4:15, 7:55, Sun., 1:00 4:35, 8:15.  
**CHARLES PLAYHOUSE** — 'The Rivals,' opening Nov. 11, Tues.-Fri. 8:30, Sat., 5:30, 9:00, Sun., 3:00, 7:30.

## Theatre Schedule

**COLONIAL** — through Sat., 'Poor Richard,' evenings 8:30, matinees Thurs., 2:15, Sat., 2:30.  
**HOTEL BOSTONIAN PLAYHOUSE** — 'Him,' 8:00.  
**SCHUBERT** — 'She Stoops to Conquer,' Nov. 24, Nov. 24 matinee, 'Lillian,' Nov. 25, 26, 'Hedda Gabler,' Nov. 24, 25 matinee, 28, evenings 8:30 matinee 2:30, starting Nov. 30, 'The Merry Widow.'  
**Wellesley College Theatre** — Anouilh's 'Antigone,' Dec. 4-5 Alumnæ Hall, 8:00.  
**'The Face of War'** — benefit for the New England 'Turn Toward Peace,' 3:00, Dec. 6, Brattle Theatre, documentary; \$5.00.

## music . . .

# G. & S. gives hilarious 'Pinafore'

By John Montanos

With all the musical activity at MIT, it was hard to see how one more group could fit into the picture. After the Gilbert and Sullivan Society's production of 'H.M.S. Pinafore,' however, it is almost hard to see how MIT did without them.

Of course, the G&S Society had a host of things on their side: funny script, excellent music, advance publicity, and the assistance and advice of Dean Fasset. To this they added careful planning and rehearsal, colorful costumes, and the realization that, as amateurs, the production would be most successful if played for laughs. The result was one of the most entertaining shows I have seen on campus.

The opening 'God Save the Queen' characterized the evening; even though the orchestra was not up to full G&S size, they played bravely and with humor. Considering their size, the orchestra did an excellent job under the baton of Robert Goldstein.

The male chorus also performed quite well from their first appearance. In fact, they generally stood out a shade too much over the women's chorus, which started weakly in its first off-stage number and never did quite reach full volume. As dancers, however, they will never make it to Broadway.

The music of Arthur Sullivan is fully worthy of an operatic voice; but part of the beauty of it is that it does not demand such a voice. The principal singers were in general quite adequate for the roles, with some standouts. Fortunately, most realized that vocal deficits could be more



Photo by Bill Ingram

Norman Rubin, as Able Seaman Dick Deadeye, warns Captain Corcoran (Mayer Wantman) about the elopement plot of Josephine, the Captain's daughter, and Seaman Ralph Rackstraw in the Gilbert and Sullivan Society's weekend production of 'H.M.S. Pinafore.'

than balanced by comic talent. Joan Pushee as Little Buttercup was a bit too exuberant; she had an unpleasant habit of always talking to the audience. Harriet Gottfried, as Josephine, on the other hand, seemed almost to take the part seriously — a fatal mistake in Gilbert and Sullivan. Somehow she gave the impression that her voice was better than the audience generally heard; perhaps inexperience kept her from peak performance.

The male roles seemed played with less effort — and more suc-

cessfully. John Ranier as Ralph Rackstraw possessed, in addition to an excellent voice, a sense of the ridiculous which carried his easily sentimentalized part very nicely. Mayer Wantman seemed ill at ease singing his second act solo, but as the pompous captain and father he was priceless. Norman Rubin played Dick Deadeye with such sinister success that the quality of his fine baritone was almost unnoticed.

By merely standing on the stage, Anthony Nunes as Sir Joseph Porter, K.C.B., could steal the scene. His stiffly subtle acting and his rich if somewhat soft voice carried the excellent trio which was one of the highlights of the operetta. The variations slipped into the encores for this number were fine examples of carefully planned spontaneity. The effect was delightful.

The costumes, lighting and make-up were skillfully handled and contributed considerably to the light, gay effect which made the operetta so enjoyable.

The too-frequent use of the footlights and the absence of a director credit indicate the production's main flaw: poor positioning and gesturing. I look forward to seeing these details handled in the G&S Society's next production.

**'H.M.S. PINAFORE,'** by William S. Gilbert and Arthur Sullivan; presented by the MIT Gilbert and Sullivan Society. Starring Joan Pushee as Little Buttercup, Robert Johnston as Bill Bristow, Norman Rubin as Dick Deadeye, John Ranier as Ralph Rackstraw, Mayer Wantman as Captain Corcoran, Harriet Gottfried as Josephine, Penny Hills as Hebe, Anthony Nunes as Sir Joseph, and Michael Ching as Bob Becket. Sets and lighting by William Zimmerman and Richard Gruen; make-up by Constance Miller. Orchestra directed by Robert Goldstein.

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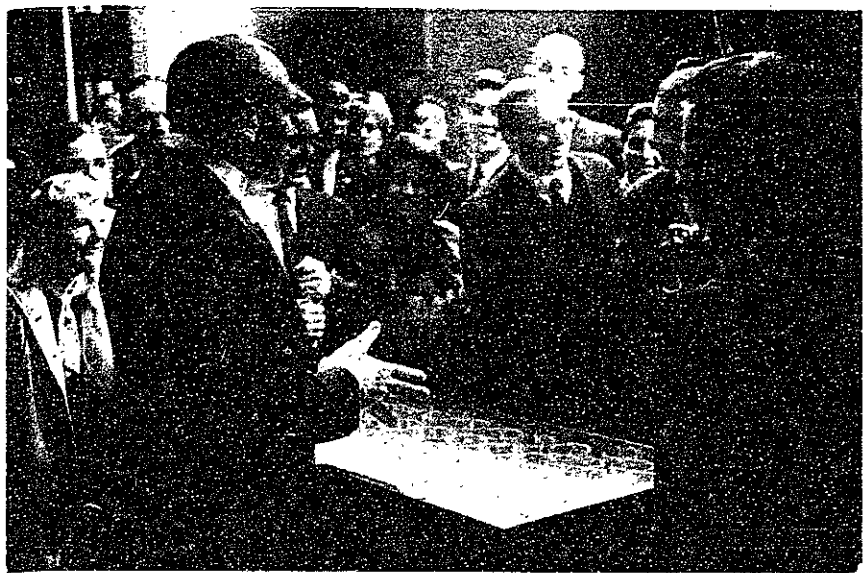


Photo by Bill Ingram

Bruno Hoffman, the contemporary master of the glass harmonica, shows his instrument after his concert last Friday in Kresge Little Theatre. Benjamin Franklin invented the first glass harp, in 1762. The glass globes are imbedded in a sounding board producing harp-like tones when caused to vibrate. During the late eighteenth century, the glass harmonica was very fashionable in Europe. Mozart wrote a Quintet for the virtuoso of that era, blind Marianne Kirchgessner. Dr. Mesmer, the great hypnotist, used the harmonica in his healing sessions, giving the instrument a bad name and it fell into disuse. Hoffman has revived both its reputation and its repertoire.

Maria Tallchief to perform here  
with New York City Ballet troupe

Maria Tallchief and a troupe from the New York City Ballet will present a special program in Kresge Auditorium December 1 at 8:00. This event is the Abramowitz Memorial Lecture for 1964-1965.

The troupe will also include Suzanne Farrell and Mimi Paul, presenting a combination of exposition and performance of the dance.

As the Ballet's principal dancer, Maria Tallchief has originated many roles in the ballets choreographed by George Balanchine, the Ballet's director. Among these roles are 'Raymonda,' 'Orpheus Eurydice,' 'The Firebird,' and 'Sylvia Pas de Deux,' which she danced at the White House.

Understandably, tickets are now unavailable.

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Cal Tech drops grades

Freshman grades have been eliminated at the California Institute of Technology. The faculty voted October 30 for a "two-year trial of the pass-fail system to give the student a freedom of choice in his studying" according to the California Tech, the student newspaper.

The Faculty Committee on the Freshman Year felt that the new plan would increase the number of qualitative annotations on graded humanities papers.

Prof. Tom Apostol, a member of the committee, announced that six passing quiz grades would be required to pass freshman mathematics. Weekly quizzes are given in the freshman mathematics courses.

Grades will still be given in the non-freshman courses.

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29	30	1	2	

**Brass Ensemble** — BU Concert Hall, Nov. 24, 8:30, free; Works of Vi- valdi, Mozart, Ravel, and others.

**Civic Symphony Orchestra** — Junetta Jones, soprano and John Buttrick, pianist, Nov. 24, 8:30, Jordan Hall; \$1.00, \$2.00, \$3.00.

**Leningrad Kirov Ballet** — Nov. 27 through Dec. 2, beginning with 'Sleeping Beauty,' Music Hall, 8:00 evenings, matinees Sat., Sun., 2:30.

**Pomp and Ceremony** — massed bands, drums, pipers and dancers of the Royal Inniskilling Fusiliers, the Royal Ulster Rifles, and the Royal Irish Fusiliers, Nov. 27, Boston Garden, 8:15; \$5.00, \$4.00, \$3.00, \$2.00.

**Armenian Christmas Carols** — Nov. 27, Jordan Hall, 8:30.

**Gardner Museum** — David Abel, violinist, Newton Wayland, pianist, Nov. 29, 3:00, works of Mozart, Debussy, Stravinsky, Ravel; free.

**Cambridge Society for Early Music** — Nov. 30, 8:30 Sanders Theater, Bach Cantatas and Schutz's Passion, \$4.00, \$3.00, \$2.00.

**LECTURE**

**Norman Thomas** — 'Is There Time to be Wise?' Nov. 24, 8:00, the Arlington Street Church, free.

**Ford Hall Forum** — Dr. James Silver 'Mississippi: the Closed Society,' Nov. 29, 8:00, Jordan Hall, free.

**Rudolf Serkin** — Dec. 4, Symphony Hall, 8:30; Schumann's F-minor Sonata, Beethoven's A-major Sonata, Mendelssohn's Variations serieses, Brahms' Four Clavierstücke, Chop-in's Barcarolle, Bolero; \$5.50, \$4.50, \$2.75.

**Chapel Concerts** — James M. Weaver, Maple Street Congregational Church, Danvers, Mass., Dec. 6, 4:00, free.

**Hermann Prey** — German Lieder singer, Jordan Hall, Dec. 6, 3:00 works of Schubert, Schumann, Wolf, Strauss.

**Peter Nero** — John Hancock Hall, Dec. 5, 8:30; \$4.50, \$3.95, \$3.50.

**Igor Stravinsky** — conducting some of his own works, Symphony Hall, Dec. 9.

**LSC Lecture** — Louis Untermeyer, Dec. 2, 26-100, 8:00; free.

**Ford Hall Forum** — General S.L.A. Marshall, Jordan Hall, 8:00, Dec. 6.

**HARVARD SQ. UN 4-4580**

Today: "The Visit" 2:45, 6:10, 9:35; "Trio" 1:15, 4:35, 8:00;

Review Day Wed.: "Love with the Proper Stranger" 2:00, 5:30, 9:45; "Hud" 3:50, 7:45.

Starting Thursday: "That Man from Rio" (original French version), 3:30, 7:45; "From Russia with Love" 1:30, 5:35, 9:45

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**Revised Film Schedule**

<p><b>Contemporary Series</b></p> <p>Friday, Dec. 4 <b>CAT ON A HOT TIN ROOF</b></p> <p>Dec. 11 <b>WAR AND PEACE</b></p> <p>Jan. 8 <b>MAN IN A COCKED HAT</b></p> <p>Jan. 15 <b>WAR OF THE WORLDS</b></p>	<p><b>Entertainment Series</b></p> <p>Saturday, Dec. 5 <b>THE WRECK OF THE MARY DEARE</b></p> <p>Dec. 12 <b>THE TIME MACHINE</b></p> <p>Jan. 9 <b>DAMN THE DEFIANT</b></p> <p>Jan. 16 <b>KING SOLOMON'S MINES</b></p>
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## New MAC research

# More equipment in project revision

(Continued from Page 3)

tric 635, a multi-processor computer carrying 128,000 words of core memory divided into four modules of 32,000 words each. The first of two processors, two modules, and a peripheral system are scheduled for installation around April, 1965. The second pro-

cessor, the other two modules, and various additions to the processors, designed for MAC specifications, should be installed by September of 1965. Finally in February, 1966 a few changes in peripheral equipment will be made, but will not be very substantial.

The present applications of Project MAC are two-fold. First, it is being used in a reflexive capacity to develop itself. Planning has already been started on new systems programming, which hopefully will be tested and debugged by September of next year when the GE 635 will be fully installed.

Second, Project MAC has been utilized by such a broad range of groups, activities, and experiments, that it makes a paradox of the term Project MAC. Indeed it is simultaneously several projects in one. It is being used experimentally in the classroom to evaluate its own usefulness. It is used by the Civil Engineering Department, combining all aspects of

design and implementation. The Sloan School of Management is using it to simulate management situations. The Artificial Intelligence Group is utilizing MAC in an experiment in computer heuristics, intuition, and judgment. It is being used as a documentary retriever in the library, as a source of bibliographies and cross-references. The Plasma Electronics Group has claimed that it could not operate without the services of MAC. It is being used in political science in the development of a communications system behind the Iron Curtain. Its applications have also been to mechanical engineering, electrical engineering, nuclear engineering, architecture, solid-state physics, metalurgy, and oceanography. In addition, its services are also available to certain groups at the University of Illinois, Carnegie Tech and the University of Michigan, among others. The versatility of Project MAC is undeniably overwhelming.

## NASA Center location discussed

(Continued from Page 1.)

Center will employ 2000 by 1970, and spend an annual Federal budget of \$77 million in defense and research contracts.

Of the 42 acres in the proposed site, 13 acres—between Broadway and Main Street, from Kendall Square to Technology Square—would be privately developed by tax paying firms. The 33 acres north of Broadway St. would be occupied by NASA only.

Final approval of the site must come from the Cambridge Redevelopment Authority. However, court actions by some groups may delay the start of construction, once scheduled for early 1965.

## BSO Concert

Friday, Nov. 27, 2:00; Saturday, Nov. 28, 8:30; Symphony Hall, Erich Leinsdorf conducting: HAYDN, Symphony No. 21, in A minor; DVORAK, Symphony No. 3, in E flat major (Op. 10); SHOSTAKOVITCH, Concerto for Violin and Orchestra, Op. 99. LEONID KOGAN, soloist.

## Class, even in snow

Unless otherwise announced, the Institute will remain open when the snows come. Between 6:30 and 8:30 am radio stations WHDH (850 kc) and WBZ (1030 kc) will announce if classes are cancelled.

This announcement was made last week as a reminder from the office of Paul A. Stoddard, Vice President in charge of Operations and Personnel. The notice states that "classes will be held unless the announcement states otherwise."

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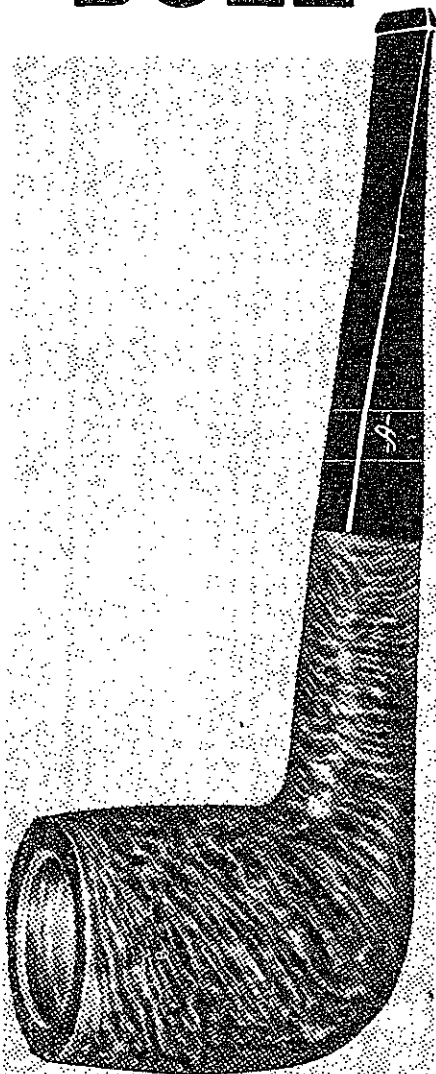
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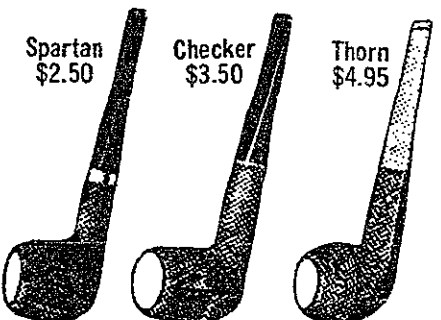
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## Elsie back to work

Elsie Baumann, proprietress of Elsie's Lunch, is "improving very well" in her recovery from a heart attack suffered earlier in November, according to her son Rudy. A spokesman for the delicatessen reported that she would be back working a few hours of each day this week.

She has owned and operated the restaurant at 71A Mount Auburn Street for 11 years.

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## JUNIORS—CLASS OF 1966

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# Advanced engineering group in operation

**By James Veilleux**  
The newly-formed Center for Advanced Engineering Study has been put into operation this term with a program for practicing engineers. The Center plans to develop other related programs, and it will have its own three million dollar building by late 1966. Established in the spring of 1963, the Center is financed by a \$5 million grant from the Sloan Foundation and by the tuition of its participants. Its operation does not rely upon Institute funds. According to Director Harold S. Mickley, the purpose of the Center is to "explore ways of increasing the effectiveness with which engineering is practiced today."

The present Practicing Engineer Advanced Study Program is the Center's first attempt to fulfill this objective. Located on the fourth floor of Building 24, the Study consists of ten seasoned engineers from leading industries who are being given formal education in their particular field for either one or two years. This training will keep the practicing engineer abreast of his rapidly changing profession and prepare him to assume larger responsibilities upon return to his company. Each of these men has had supervisory responsibilities closely tied to technical productiveness on his part. In fact the chief requirement for entrance to the Study is that the engineer shall have already made a significant contribution to his company. The second consideration is what the entrant expects to gain from the Study, and finally the Center evaluates his formal education. The tuition of \$3600 per year and other personal expenses are usually cov-

ered by the engineer's home organization. While at the Center the student is closely associated with a senior faculty member who guides his individual program. With the entire offering of regular MIT undergraduate and graduate subjects, seminars, and colloquia at his disposal, the participant is left with a great deal of freedom to tailor this program to his own specifications. In addition, he may participate in on-going research work at the Institute. In order to enlarge the facilities of the Study and make room for other programs, the Center will acquire a building within two years to be located between 77 Massachusetts Avenue and Building 33. The \$3 million structure, financed by the Sloan Foundation, will be about the same height as the buildings immediately surrounding it and will contain 50-60,000 square feet of floor space. Its design is nearly completed, and construction begins this summer.

# ISC dinner orients new foreign students

About 25 new foreign students attended an afternoon dinner and discussion sessions held by the International Students Council at Endicott House last Saturday. The program, designed to help orient freshman foreign students, treated three principal topics: organization of a foreign student's academic life in order to be most useful at home, participation in student activities and government, and planning a thesis of direct practical use upon returning home. Prof. D. M. Baumann of Course II spoke to the group on theses. UAP Bill Samuels '65 and Jim Taylor '65, Finance Board chairman, represented student government. Chandra Shah '65 was organizer of the conference. Similar seminars and discussions are planned in the future by ISC.

## Intramural Results

DU 33, Sigma Chi 30	
PDT 35, Baker B 34	
Burton C 47, LCA B 26	
East Campus 45, Baker D 31	
Chemistry B 74, Baker D 23	
Chi Phi 30, PKS 24	
Chemistry A 63, Theta Chi B 23	
DTD 46, Chinese Students 37	
Student House 67, NRSA 29	
TEP 48, Bexley 27	
ZBT 43, TDC A 26	
Conner First 34, AEPi B 18	
EC Bemis 65, No. 6 28	
IM Bowling	
1. Baker A	36
2. Sigma Phi Epsilon A	35
3. Senior House B	35
4. Tau Epsilon Phi A	34
5. Baker B	34
6. Phi Mu Delta A	34
7. Alpha Tau Omega	33
8. Sigma Phi Epsilon B	33
9. Paradise Cafe	32
10. Burton III	31
11. Phi Delta Theta	31
12. East Campus A	31
13. Sigma Alpha Epsilon A	31
14. Phi Gamma Delta	30
15. Lambda Chi Alpha	30
16. Burton II	30
17. Pi Lambda Phi	30
18. Burton I	30
19. Zeta Beta Tau	30
20. Burton V	29

## BC to hold forum about careers in law

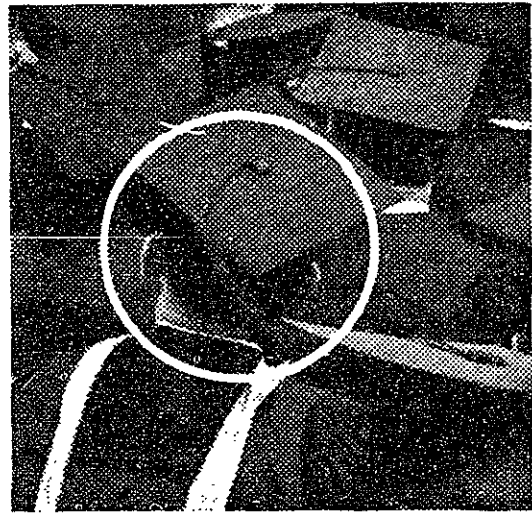
A forum and one-day institute for upperclassmen interested in law careers will be conducted by the Boston College Law School on Saturday, December 5. Included in the program will be a mock trial, a typical law class, and a forum on legal careers.

## CLASSIFIED ADS

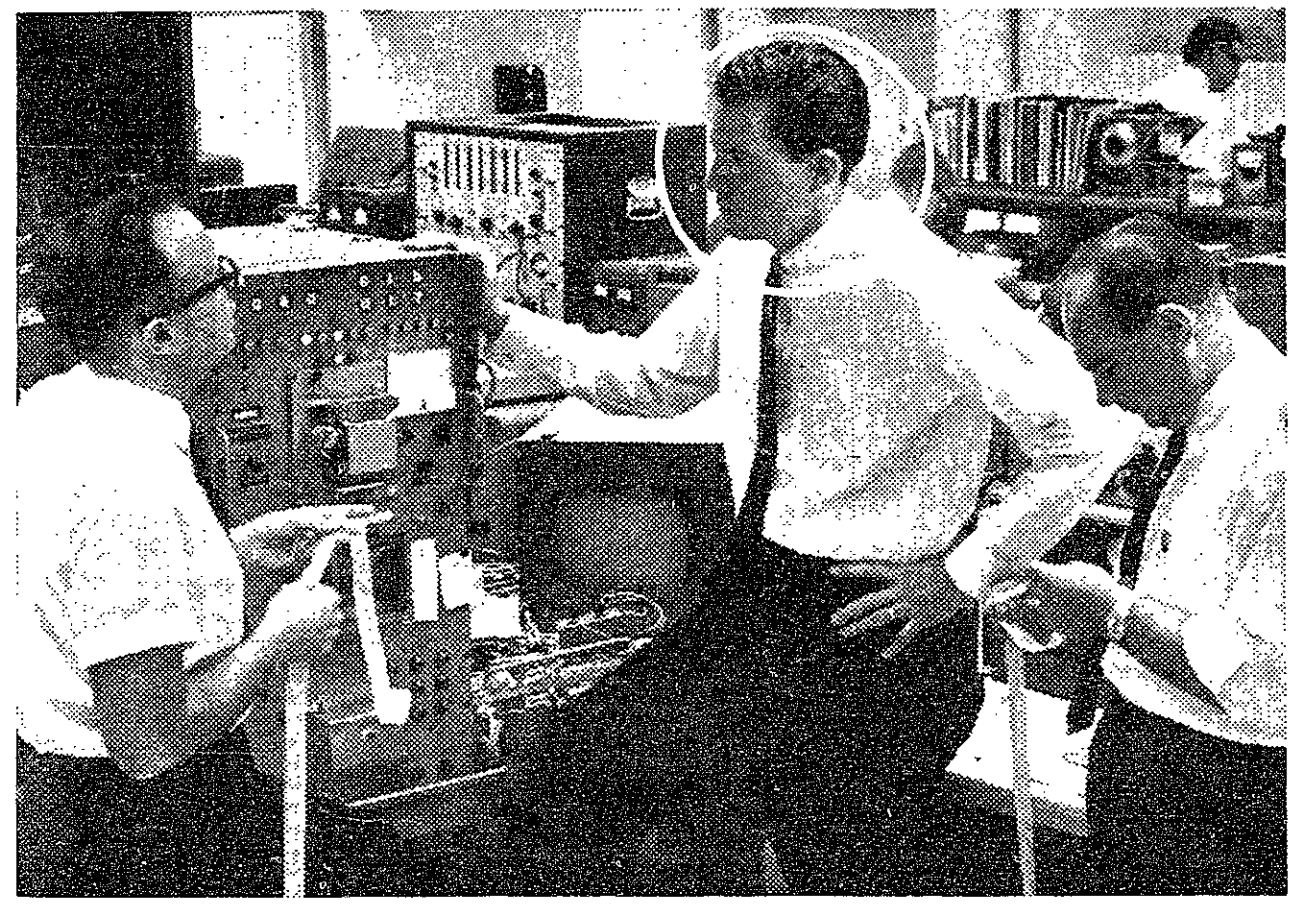
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John Lauritzen wanted further knowledge



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## Brown takes 8th in National meet; Fourth in IC4A

Sumner Brown '66 added a couple more honors to his growing list of running achievements. Saturday, November 14, Brown took eighth place in the NCAA Small College National Championship held at Wheaton, Illinois. He also picked off fourth place at Eastern IC4A Championships the following Monday.

Brown's time for the four-mile course was 20:34, which compared favorably with the winning time of 19:43.9. Last year Brown finished 19th in the 150-man field, and should finish right around the top next year.

The team went along for the IC4A Championships and picked up 7th place among the twelve teams participating. Finishers for Tech at New York besides Brown were Rob Wesson '66, 33rd; Bill Purves '66, 35th; Dick McMillin '65, 41st; Mike Oliver '65, 61st; and Don Raab '67, 75th over the five-mile course.

This finishes a fine cross-country season for the squad.

## Sophs win Richards Cup

By Pete Staecker

The class of '67 has struck again — this time in rowing — as the lightweight sophomores carried away the honors in the eighteenth annual Richard's Cup races held last Saturday. A brisk headwind and choppy waters failed to dampen the spirits of these latest additions to Gary Zwart's squad, and when the flag went up at the finish, the first two boats across the line were sophs.

But that was only part of the day's effort for these guys, for in the following coxed fours race, another boatload of lightweight sophomores barely missed upsetting senior John Proctor's boatload of senior lights; the race was won by the heavyweight four stroked by Dave Waltz '65.

The seniors took the honors in the heavyweight interclass contest held Friday evening. The junior heavies made it tough for them, and finished a close second, with the sophomores bringing up the rear.

If you happened to notice what appeared to be a giant traffic

jam on the waters just in front of the boathouse at about 1:30 last Saturday afternoon, chances are that you were witnessing the finish of the freshmen heavy-light race. The frosh heavies got two boats across first, followed by two boats of lights, but the crew that attracted the most attention was coach Mike Greata's "underweights", no one of which weighed over 140 pounds. The annual coxswain-manager rivalry for the coveted Charles River Basin was held in fours this year, and the managers, stroked by Dave Miller '65 and rigger Jack

Duplin (whose combined weights exceed 480 pounds), avenged last year's humiliating defeat by the coxswains, whose wily leader, Joe Landquist, had tied a sea anchor to the manager's rudder.

The highlight of the day occurred when the members of MIT's 1954 lightweight varsity their not-so-familiar sweat gear, and put out the same boat load that had won the ERAC lightweight Sprint Championship and the Thames Challenge Cup the Royal Henley Regatta ten years previous.

## '65 cops All-Tech Swim; Win over frosh, 104-94

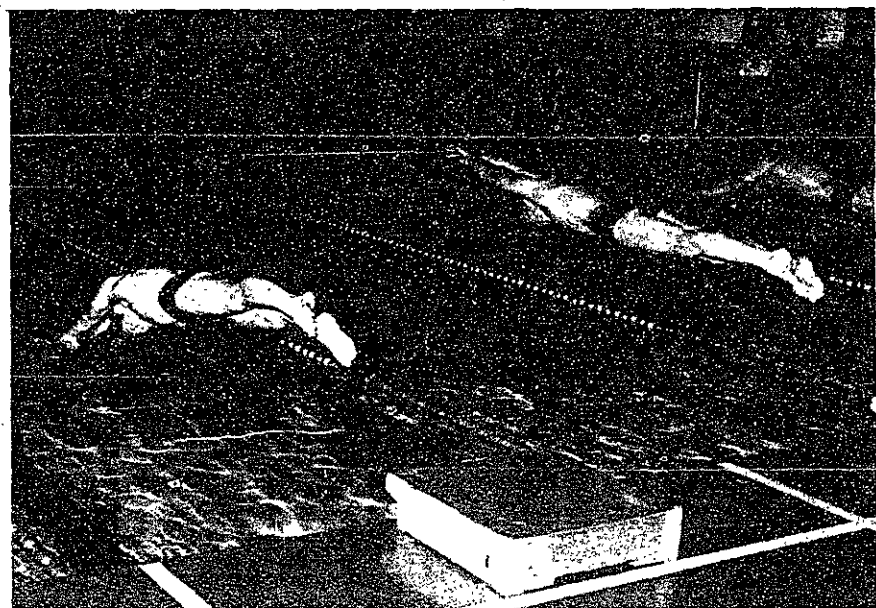


Photo by John Torode

The start of the 200 individual medley finals in the All-Tech swim shows (l. to r.) Dick Cockerell '66 (3rd), Eric Jensen '65 (2nd), and Win Gardner '68 (1st).

By Cassius Peacock

Eight out of ten All-Tech Swim Meet Records were smashed Saturday as the seniors held off a spirited upset drive by an incensed frosh squad. Mike Huke '65 touched out Larry Preston '68 in the breaststroke and Dick St. Peters '65 staved off a superb effort by Win Gardner ('68) in the final relay to prevent what would have been a 99-99 deadlock.

**Frosh open quick lead**

The frosh opened up in the medley relay with a 14-22 lead, which '65 closed to 24-28 in the 200 free. The two classes split the next two events, sending the a score of 36-40 into the diving. The frosh took one, three, and six in the diving, opening the lead to 39-52, which was increased to 43-60 in the butterfly.

Splitting the 100 free with the

frosh, 865 went into the last four events down 17 points. Huke's slim second in the breaststroke completed a 1-2 senior sweep in the next three events. This brought the seniors into the lead for the first time 84-78.

The meet was to be decided in the last relay, and the frosh had fired for it with all they had. They had qualified 2, 5, 6. If they could finish 1, 4, 6, the meet was theirs. There was hardly a soul sitting when the gun was fired. The noise level climbed from a dead silence to a mighty roar as the race reached its climax #3 man John McFarren '68 closed on the seniors opening lead, but he left a little over a second lead to '65.

Dick St. Peters '65, left the block 1.4 seconds in front of Win Gardner '68 who had previously set two meet records. As he left the block with a vicious drive, there was fire in his eyes. From the very moment he entered the water, he continued closing the lead.

**Seniors Win By Touch**

You could see St. Peters catch a glimpse of Gardner moving up and his realization that a hard fight was at hand. The finish was symbolic of the entire meet: great effort was in effect, a record was clobbered, '65 won by a touch, the victor and the challenger grinned and shook.

Thus the seniors captured their second All-Tech Swim victory. The final standings were as follows:

1. Seniors	104
2. Freshmen	94
3. Juniors	32
4. Sophomores	29
5. Grads	23

Event Winners:

400 medley relay 4:13.6 '65 (Brody, Huke, Blanchard, Mechura) '68, '68.	
200 freestyle 2:04.2 St. Peters '65, McFarren '68, Goodman '66.	
50 freestyle :24.2 Crane '67, Breinlinger '66, Goldfein '65.	
200 individual medley 2:21.2 Gardner '68, Jensen '65, Cockerell '66.	
Diving Gentry '68, Cohlander Grad, Solomon '68.	
100 butterfly 59.4 Gardner '68, Silvestri Grad, Brody '65.	
100 freestyle :53.3 Crane '67, McFarren '68, Breinlinger '66.	
200 backstroke 2:23.3 Mechura '65, Jensen '65, Goodman '66.	
500 freestyle 5:56.1 Jensen '65, St. Peters '65, Silvestri Grad.	
200 breaststroke 2:36.6 Peacock '65, Huke '65, Preston '68.	
400 freestyle relay 3:42.7 '65 (Blanchard, Brody, Groves, St. Peters) '68, '67.	
25 coed freestyle :16.4 Tomlinson Grad, Mammen '67, Shaw Grad.	

## Rugby team loses last match 16-5; End season 4-7-2

By Neal Gilman

The MIT Rugby team lost its last match of the season to Fairfield last Saturday ending its four game winning streak. The club losing 16-5 brings its final season's record to 4 wins, 7 losses and 2 ties.

In the first half, MIT did its best to stop Fairfield. Although Fairfield was the larger and more experienced of the two teams, MIT ruggers played well, preventing several close scoring opportunities by Fairfield. Fairfield was limited to only one 3 point offside penalty kick, late in the first half.

In the second half, however, MIT was overpowered. The Techmen played well, but Fairfield was just larger and in better shape. They promptly scored two tries and converted one of them to raise their lead to 11 points. MIT then scored their lone try with a good run by Tom Van Teinhoven '66. Van Teinhoven, on the toward the Fairfield side. An opposing forward tried to catch it, but fumbled. Van Teinhoven, who had meanwhile raced up the field, recovered the fumble and raced toward the Fairfield goal for a try. He then converted for 2 points. Fairfield later made one more try and conversion to bring the final score to 16-5.

## Riflemen stomp BU; Even record at 1-1

By Karl Frederick

The MIT indoor long-barreled artillery group trounced Boston University, 1291-1068, in last Friday's match held at the Tech rifle range. The victory enabled the rifle team to even its record, having suffered one defeat earlier this season.

Top-notch shooting was again displayed by Jim Downward '65 who cranked out a 271. He was followed by Charles Marantz '67, 259; Dave Hamada '65, 258; Steve Walther '66, 256; and, alas, Karl Frederick '65, 247.

## Frosh cage manager

Managers are needed for the Freshman Basketball team. There is plenty of room for advancement, and the managers go on all trips. All those interested please call Mel Snyder at CI 7-8574 or Don Muller at 354-8883 for more information and an opportunity to move up in the Athletic Association.

## How They Did

Rifle

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## Grad Econ, Grad Management 4-0

By Russ Mosteller

For the first time this season, the offense was the dominant feature of the major league intramural basketball games. All winning teams except one bettered the 50-point mark, and the high-powered offense of Lambda Chi Alpha enabled them to drop Sigma Alpha Epsilon from the ranks of the undefeated.

The week also featured the season's first overtime game. Westgate won this one, defeating Phi Gamma Delta, 53-49. The game was close throughout, although the Fijis led until the middle of the fourth quarter. The Westgaters emphasized ball control in the overtime, and their strategy was successful, as evidenced by the final score.

**Twickler stars**

Lambda Chi Alpha won their second straight game and in the process nipped Sigma Alpha Epsilon's win streak at two games. Bruce Twickler went on a real rampage for Lambda Chi, scoring 27 points. Led by his fantastic shooting, Lambda Chi put the game away early, having a 38-13 lead at halftime, and went on to a 57-30 rout.

Grad Econ continued on its merry way, picking up its fourth consecutive victory with a 61-31 tromping of Sigma Phi Epsilon.

Grad Econ put its superior height to good use, snaring by far the majority of the rebounds.

Baker House A improved its record to 3-1 with a 51-33 victory over Phi Mu Delta. Tom Hedburg '65 spearheaded the Baker drive with an outstanding 23 point contribution. John Yeasley '66 turned in a fine game for PMD, totaling 16 points.

**GMS dumps Theta Chi**

A fantastic first half performance by John Osborne led Graduate Management Society to a 45-35 victory over Theta Chi. When he was taken out of the game in the third quarter, Theta Chi began to narrow the gap. Time, however, ran out on them.

The superior shooting of Grad House led them to a 55-37 conquest of Sigma Alpha Mu. Offensive rebounding was a big factor in the win, as was the 22-point scoring of John Moslen. Stu Nemser '67 turned in another fine performance for the Sammies, totaling 16 points.

This week's schedule pits Grad House against Senior House A in the National League. The American League has a heavier docket as SAE battles Westgate, Theta Chi takes on Sig Ep, and Grad Econ will try to retain its perfect record as they meet the Graduate Management Society.

## 1954 Henley champions at Class Day



Photo by Leonard Fehskens

Tech's Henley Championship crew of 1954 takes to the Charles again during the Class Day races. (l. to r.) Cox, Jerry Wayne '54, Stroke, Valdimir Skov '55, William McTigue, Robert Sawyer '56, Don Burren '55, Larry Holmes '54, Leonard Gallagher '54, Robert Wilkes '55.

Appearing as guests of the Richard's Cup Regatta, the MIT lightweights of 1954, who not only won the Sprint Championships that year, but also went to England to win the Thames Challenge Cup, started what hopefully may become a rowing tradition at MIT.

The group assembled from scattered parts of the East and West; Bob Buntschuh, '55, the seven man, travelled the farthest distance (from Omaha, Nebraska) to appear for the one-day reunion.

The 1954 season was not an easy one; in their first race the lights faced traditionally strong Harvard, and got traditionally beaten. Once was enough, however, for in their remaining three races the Crimson went home without shirts.

The big test that year was Princeton, however, who had won the Sprint Championship in 1953. Captain McTigue recalls that the competition for the Championship in 1954 was the most exciting race of the season, when the Engineers beat Princeton by two or three feet.

Last Saturday, together as a unit for the first time in ten years, the Henley crew looked surprisingly smooth, and emerged successful from a few small skirmishes with one of the undergraduate eights. Like all true lightweights, the 1954 squad "weighted in" before turnout. They didn't make weight.